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CLASSIFICATION SECRET - SECURITY INFORMATION

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CENTRAL INTELLIGENCE AGENCY  
INFORMATION REPORT

REPORT NO.

CD NO.

COUNTRY

East Germany

DATE DISTR. 25 August 1953

SUBJECT

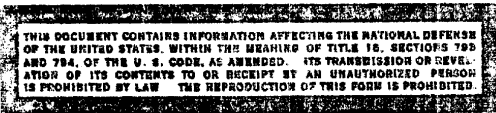
Funkwerk Koepenick Radar Development

NO. OF PAGES

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PLACE  
ACQUIRED

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NO. OF ENCLS.  
(LISTED BELOW)DATE OF  
INFO.SUPPLEMENT TO  
REPORT NO.

THIS IS UNEVALUATED INFORMATION

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SOURCE

1. After Engineer Rudolph Manthey returned from the USSR in the spring of 1952, he was assigned the task of developing radar equipment for East Germany. A laboratory was established for him in a building of Funkwerk Koepenick. Manthey has been working there since March 1952 on the development of a ship-borne radar installation using a magnetron of 3.2 centimeter wave length, 15 kw impulse power and 1,000 watts continuous output. This magnetron was delivered by the Werk fuer Fernmeldewesen HF, Berlin-Oberschoeneweide, where it was built after a U.S. model either during or shortly after the war. A laboratory model of the radar device was completed by the end of 1952. The present range of the device is 15 kilometers on land. Improvements now underway are expected to increase the range of the instrument to 30 kilometers at sea. The instrument is scheduled to be entirely completed by 1 July 1953. Two pilot models will then be constructed at Funkwerk Koepenick. They are expected to be completed by the end of 1953 and are to be used in tests aboard ship in January or February 1954.
2. Manthey is working under the supervision of Wilhelm Grimm, also a returnee from Russia. Manthey's laboratory is subdivided in the following way:
  - a. Overall Direction:  
Rudolph Manthey, Laboratory Chief  
Walter Hasse, Main Installation (Hauptanlage)
  - b. Measurement Devices and Installations:  
Heinz Munte, (a returnee from Russia, head of the group)  
Horst Kiesewald, (a returnee from Russia)  
Franz Otto  
Simmig (fnu) (SED)
  - c. Centimeter Development, Simultaneous Connections:  
Manfred Kleinspaehn, chief  
Heinz Lingenfelder - pre-amplifiers, intermediate frequency amplifiers  
Erhard Walter - tuning installations

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DIRECT

## d. Operations Engineer:

Richter (fnu) - Liaison with the construction shop, procurement of material, organization

## e. Laboratory Mechanic:

Gerhard Fischer

3. The radar construction shop, which works in close cooperation with Manthey's laboratory, is headed by Sentz (fnu), a returnee from Russia.
4. Funds amounting to 120,000 DEM were allotted to Manthey for radar development in 1952. It is believed that 300,000 DEM were allotted for the same purpose for the first half of 1953.

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